

WASHINGTON STATE DEPARTMENT OF HEALTH OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald J. Melvin, Environmental Specialist

AREA: Penn Cove

YEAR ENDING: December 31, 2005

CLASSIFICATION: Conditionally Approved, Prohibited

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected monthly from Penn Cove. DOH completed wastewater treatment plant evaluations for the Coupeville and Penn Cove Park sewage treatment plants. The area was closed for 2 days due to a STP malfunction. The area was closed for 11 days due to the presence of biotoxin. DOH completed a routine survey of the shoreline and uplands around the shellfish area. The survey examined 13 drainage or discharge points, 124 developed parcels and 2 agricultural activities. No direct or indirect impacts the growing area were identified.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the most recent 30 samples collected from each of the sampling stations. This summary shows that all stations in the conditional area pass the NSSP water quality standard. Station #206 is of concern due to periodic elevated levels of bacteria.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

- ☐ Well within the classification standards
- ☒ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Current information indicates that the area is correctly classified as "conditionally approved". The 2005 survey report recommends establishing a new sampling station at the inlet/outlet of Kennedys Lagoon and recommends that the lagoon be designated as Unclassified.

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MANAGEMENT PLAN EVALUATION – BRIEFLY DESCRIBE THE FOLLOWING COMPONENTS:

1. Have all parties involved complied with the conditions in the management planYes
2. Has reporting been adequate to manage the conditional areaYes
3. Does the area consistently meet approved area criteria when it is open for harvestYes
4. Has a field inspection of critical pollution sources been conducted.....Yes

TABLE 1**SUMMARY OF MARINE WATER DATA (APC)**Growing Area: **PENN COVE**Classification: **Prohibited,Conditionally Approved,Unclassified**From **05/27/2003** To **11/15/2005****FECAL COLIFORM ORGANISMS/100 ML**

Station Number	Classification	Number of Samples	Range	Geometric Mean	% Samples > 43	Meets Std.
202	Prohibited	32	1.7 - 4.5	1.8	0.0	Yes
204	Prohibited	32	1.7 - 170.0	2.5	3.1	Yes
205	Prohibited	32	1.7 - 23.0	2.4	0.0	Yes
211	Prohibited	34	1.7 - 23.0	2.2	0.0	Yes
212	Prohibited	31	1.7 - 13.0	2.1	0.0	Yes
216	Prohibited	32	1.7 - 7.8	1.8	0.0	Yes
219	Prohibited	33	1.7 - 11.0	2.0	0.0	Yes
206	Conditionally Approved	32	1.7 - 540.0	2.4	6.2	Yes
207	Conditionally Approved	31	1.7 - 4.5	1.8	0.0	Yes
208	Conditionally Approved	32	1.7 - 4.5	1.7	0.0	Yes
209	Conditionally Approved	33	1.7 - 17.0	2.0	0.0	Yes
210	Conditionally Approved	32	1.7 - 4.5	1.8	0.0	Yes
215	Conditionally Approved	32	1.7 - 7.8	1.8	0.0	Yes
217	Conditionally Approved	33	1.7 - 11.0	1.9	0.0	Yes
218	Conditionally Approved	32	1.7 - 13.0	2.1	0.0	Yes
220	Conditionally Approved	32	1.7 - 7.8	2.0	0.0	Yes
221	Conditionally Approved	30	1.7 - 17.0	2.1	0.0	Yes
279	Unclassified	31	1.7 - 2.0	1.7	0.0	Yes

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100ml with not more than 10 percent greater than 43 organisms/100ml. The above table shows bacteriological results in relation to program standards.

† All samples have been verified.

